

Docket No. 217 – Development and Management Plan Inspection

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

Date: October 25, 2006

Inspector: Diana Walden, BSC Group

Location: Overhead Line (Composite 345kV and 115kV Gallows Hill to Archers Lane,
345kV H-Frame Hoyts Hill to Gallows Hill, and Norwalk Section)

Storm/

Rain Event: Reports range from 0.41-0.71" of rain recorded on 10/19-10/20, depending on location. (NOAA)

Areas of Inspection	Observation	Recommended Action	Corrective Action
Access Roads and Adjacent Roadways	- The Composite ROW is mainly accessible from Gallows Hill Rd and an access road passing through the Archers Lane station 10/25/06.	-None 10/25/06	-NA
Composite	-Haybales were placed at the outlets of the water bars in the access road near Archers Lane. 10/25/06.	-None. 10/25/06	-Haybales were installed.
	-The wetland crossing near structure #34 off Gallows Hill Road was restored. 10/4-10/25/06.	- Monitor the hydrology within the crossing to be sure this area was restored to the original grade. 10/4-10/25/06.	-Needs evaluation.
345kV H-Frame	- Restoration is nearing completion in this section. With the exception of those remaining at the stream crossing off Webb Rd, all mats had been removed from the Bethel Reservoir section. 10/25/06.	-Continue restoration and replace silt fence with hay bales in appropriate locations. Remove equipment, debris and finally mats when restoration activities are complete. 10/18-10/25/06.	-Most mats were removed.
	- Erosion continues along	-Continue to monitor and keep stone out of any	-NA

Areas of Inspection	Observation	Recommended Action	Corrective Action
<p>Norwalk Section</p> <p>Kent Road (north)</p> <p>Kent Road (south)</p>	<p>the access road near structure #31 but hay bales seem to be containing sediment. 7/19-10/25/06.</p> <p>- No sediment tracking was noted in Kent Road from the ROW access to the north this week. 10/25/06.</p> <p>-Most of the disturbed areas within the ROW have been temporarily stabilized with hay mulch. Most mats have been removed at the wetland crossing but two track pads on the stream. Remain 10/25/06.</p> <p>- Wetland crossings remain matted in the Kent Rd south section. Haybales and silt fence at the wash out areas are deteriorating. 9/20-10/25/06.</p>	<p>resource areas. Hay bales currently contain the sediment. 7/26-10/25/06.</p> <p>- Continue to maintain this entrance and sweep street when necessary. Restoration continues this week. 10/25/06.</p> <p>- Continue restoration and restore as near as possible to original conditions. Haybales should be installed along the edge of the standing water to prevent sedimentation. 10/25/06.</p> <p>- Maintain hay bales at wash out areas until this area is stabilized. Remove mats from wetland areas when restoration activities are nearing completion. 9/20-10/25/06.</p>	<p>- N/A</p> <p>-Restoration efforts continue. Mats were being removed.</p> <p>-Still needs attention.</p>
<p>Line Construction</p> <p>Composite and 345kV H-Frame</p> <p>Norwalk Section</p>	<p>- Line work is complete within the ROW. Restoration efforts continue. 9/20-10/25/06.</p> <p>-An unused (saved) structure and steel components are still being stored near structure #11073 off Perry Ave. 9/29-10/25/06.</p>	<p>- Continue restoration in previously disturbed areas and ensure that materials are not forgotten in place. 10/25/06.</p> <p>-Remove unused materials from the ROW. 9/29-10/25/06.</p>	<p>- Restoration efforts are largely complete in these sections.</p> <p>-NA</p>
<p>Erosion and Sediment Controls</p> <p>Composite</p>	<p>- Haybales were placed at the outlets of the water bars within the forested area. 10/25/06.</p> <p>-The wetland crossing near structure #34 off</p>	<p>-Remove silt fence once vegetation returns (or replace with haybales). 9/29-10/25/06.</p> <p>- Monitor the hydrology within the crossing to be</p>	<p>- Haybales were installed at the water bars.</p> <p>- Crossing may need further evaluation.</p>

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345kV H-Frame Bethel Reservoir Section to Chestnut Ridge Rd. Costa Lane, Whortleberry, Lime Kiln and John Todd Way	Gallows Hill Road was removed. 10/4-10/25/06. -Restoration is nearing completion in the Bethel Reservoir section. Mats remain at the stream crossing off Webb Rd. 10/25/06.	sure this area continues to function. 10/25/06. -Continue to monitor mat removal and restoration. Remove all equipment. 10/25/06.	-Most mats are now removed.
	- Mats and disturbed soil were now present at the previously restored area near structure #25. 10/25/06.	- Remove mats and re-stabilize the area. Silt fence should now remain here until this occurs. 10/25/06.	-Needs attention.
	-The slopes associated with the stone access road at structure #24 do not appear to be stable. Loose stone could wash into the wetland once silt fence is removed. 10/18-10/25/06.	-Investigate further stabilization measures for the slopes adjacent to the wetland. 10/18-10/25/06.	-Needs evaluation.
	- The access road erosion near structure #31 was re-graded but erosion has returned, despite the haybales. 7/19-10/25/06.	- Keep all stone/sediment from entering resource areas and investigate alternative stabilization measures. 7/19-10/25/06.	-Needs evaluation.
Norwalk Section Broad Street, Perry Ave, and North Seir Hill Road.	- The disturbed/cleared slopes adjacent to the stream bank at structure #11064 were seeded and mulched but the stream is still not protected by erosion controls. 10/4-10/25/06.	- Grass growth is not expected prior to the winter. Install and maintain hay bales along both sides of the stream to prevent sediment from entering the stream channel. 10/25/06.	-Restoration noted but still needs attention.
	- Grass growth was noted at structure #11080, off Broad Street south, but washouts in the mulch continue. The silt fence here is stressed. 10/04-10/25/06	- Repair silt fence and monitor. Further grass cover is not expected prior to the winter. 10/4-10/25/06.	- Restoration was noted but still needs attention
	-Silt fence debris remains	- Remaining silt fence and debris should be removed. 10/25/06	- Needs attention when

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Kent Rd. (North)	<p>in the soil along Broad St adjacent to the bike path. Silt fence also remains in place within the vegetation near the river. 10/25/06</p> <p>- Restoration activities have continued at Kent Road north. Most of the disturbed areas within the ROW have been mulched and temporarily stabilized. A portion of the stream crossing remains but other mats were removed. 10/25/06.</p> <p>- Silt fence was removed from the banks of the stream and near the foundation at the pond in the Kent Rd north section. The areas were mulched. 10/25/06.</p>	<p>-Continue restoration efforts and return as near as possible to original conditions. Haybales may be needed adjacent to standing water to prevent sedimentation from the mat removal area. 10/25/06.</p> <p>-Areas appear temporarily stabilized but no further vegetative cove is expected prior to winter. 10/25/06.</p>	<p>feasible.</p> <p>-Restoration efforts are noted.</p> <p>-Silt fence was removed; areas were mulched</p>
Kent Rd. (South)	<p>- The work areas at Kent Road (south) have been restored with grass cover in most locations but mats still need to be removed. 9/29-10/25/06.</p> <p>- Stone from the access road continues to washout beyond the erosion controls into the wetland. Silt fence/ haybales here are deteriorating. 9/29-10/25/06.</p>	<p>-Monitor until mats have been removed and the access road is stable. 10/25/06.</p> <p>- Stabilization options for the stone access road should be evaluated. 920-10/25/06. These areas will be difficult to control during heavy rain due to the drainage patterns. 7/12-10/25/06.</p>	<p>-Needs attention</p> <p>-Needs attention</p>
Inland Wetland and Watercourse encroachment and mitigation	<p>-The wetland crossing near structure #34 off Gallows Hill Rd has been removed.</p>	<p>- Monitor the hydrology within the crossing to be sure this area continues to function properly. 10/18-10/25/06.</p>	<p>-The crossing was removed.</p>
345kV H-Frame	<p>- Mats remain at the stream crossing off Webb Road, in the Bethel</p>	<p>- Silt fence should be replaced with haybales in appropriate locations.</p>	<p>- Continue final restoration.</p>

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Norwalk	<p>Reservoir ROW. Bare soil remains where the mats were located 10/25/06.</p> <p>-Mats remain at most wetland crossings. Most disturbed areas have been restored with seed and hay mulch. 10/25/06.</p> <p>-The disturbed slopes adjacent to structure #11064 have been seeded and mulched but the stream channel is still not protected by erosion controls. 10/4-10/25/06.</p>	<p>Wetland vegetation should return by the next growing season. 10/18-10/25/06.</p> <p>- Continue to monitor until stabilized. Silt fence should be replaced with haybales in appropriate locations. Remove mats from wetland crossings when restoration activities are nearing completion 10/25/06.</p> <p>- Install hay bales along both sides of the stream to prevent sediment from entering the stream channel. 10/4-10/25/06.</p>	<p>-Restoration efforts noted.</p> <p>-Needs attention</p>
State species of concern, threatened and endangered species	<p>- The composite portion of overhead work and Chestnut Ridge Rd includes state-listed Eastern Box turtle habitat. 9/15-10/25/06.</p>	<p>- Continue walkthroughs prior to equipment movement in these areas. 4/6-10/25/06.</p>	<p>-N/A at this time</p>
<p>Vegetative clearing limits (including trees to save or danger trees noted)</p> <p>Composite</p> <p>345kV H-Frame</p>	<p>- Adjacent homeowners near Gallows Hill mentioned damage to mountain laurel and other shrubs. 3/2-10/25/06.</p> <p>- A significant amount of chips were blown off the ROW into the upland and also along the wetland edge at the 3rd structure off Gallows Hill. These areas are off property. 2/22-10/25/06.</p> <p>- Widespread restoration efforts were noted. Many recently restored areas have good grass cover. Log piles remain within</p>	<p>-Replace shrubs where approved during these restoration efforts. 10/25/06.</p> <p>- In order to comply with the D&M plan the chips should be spread on the ROW to a depth of 3". 2/22-10/25/06. However, the crossing has since been removed and equipment should not pass. 10/25/06.</p> <p>- Remove excess lumber where appropriate. 9/29-10/25/06.</p>	<p>-Needs attention when feasible</p> <p>-Needs similar attention as at Archers Lane. However, equipment can no longer access this area.</p> <p>-Restoration activities noted.</p>

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Norwalk Section	the ROW from previous clearing efforts. 9/29-10/25/06. - Widespread restoration is noted in several sections, but some areas still require additional efforts. 10/25/06	-Continue to restore remaining areas. 10/25/06	-Restoration activities noted.
Dewatering	- Dewatering efforts should no longer be necessary. 10/25/06.	-None.10/25/06.	-N/A
Blasting	-No blasting has been necessary on the ROW. 10/25/06.	-None. 10/25/06.	-N/A
Spills and Material Storage	-No spills or drips were noted along the route this week. 10/25/06. - In general, equipment should be parked over 100 ft from resource areas or as far as feasible. 10/25/06	- Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) - Keep adequately size fuel kits for worst-case scenarios. - Report spills immediately, even if they are being controlled. - Avoid refueling in the areas near the wetlands.	-NA
Additional Observations			

Next likely scheduled inspection:

Friday November 3, 2006

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature: Diana Walden, BSC Group



(Composite Section): Photo on the left shows the access road leading past Archers Lane with haybales in place and some grass growth noted. (345kV H-Frame): Photo on the right shows mats remaining at the stream crossing off Webb Rd. in the Bethel Reservoir section. 10/25/06.



(345kV H-Frame): Photo on the left shows the area at pole #25 where mats and disturbed soil are now present on the previously restored area. Silt fence should now remain in place due to the additional disturbance. **(Norwalk Section):** Photo on the right shows mats remaining at the wetland crossings at Kent Rd south. 10/25/06.



Photo on the left shows a close up of one of the several washout areas along the access road on Kent Rd south. Photo on the right shows restoration efforts at Kent Rd north. Work areas were mulched. Some debris and equipment remains to be removed from site. 10/25/06



Photo on the left shows the remaining crossing materials on the currently dry stream channel in the Kent Rd north section. Mats were removed but some pieces remain to be removed. Photo on the right shows a view of the area where mats had been removed. 10/25/06.



Both photos show restored areas along the access road and above the bank of the pond in the Kent Rd. north section of the ROW. Areas are temporarily stabilized and silt fence was removed. A buffer of vegetation remains between the restored areas and the pond. 10/25/06.



Photo on the left shows the mulched slopes near structure #64 off North Seir Hill Rd. Haybales should still be installed along the base of the slopes to prevent sedimentation to the stream here. Photo on the right shows the small washout overwhelming the silt fence at structure #1180. The adjacent areas have some grass cover. 10/25/06.